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DP Ho, VM Teo, JF Gozali - LECTURE NOTES IN COMPUTER SCIENCE, 2002 - Springer

... Even using an efficient **approximate** algorithm, which requires Nlog ... N-body problem using our **grid** system ALICE ... Section 2 presents the **Barnes-Hut** algorithm - an ...

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... cation totals of each vertex to **estimate**  $\hat{E}_0$  values for ... options to MinEX PartGraph, ipg **grid** configuration, and ... The approach is to **approximate** the force ex ...

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DJ Edelsohn - INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 1993 - worldscinet.com

... is no longer sufficient as an **estimate** for necessary ... requiring correction can utilize the **Barnes-Hut** test of ... are a useful alternative to **grid-less** simulations ...

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... 1) to heuristically **estimate** the effect of a ... Designing an Efficient Partitioning Algorithm for **Grid** Environments 283 ... The approach is to **approximate** the force ...

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S Dworkadas, K Gharachorloo, L Kontothanassis, DJ ... - Proceedings of the Fifth International Symposium on High- ..., 1999 - doi.ieeecomputersociety.org

... It is again hard to **estimate** the performance impact of ... Problem (Data set) Size Time (sec.) **Barnes-Hut** 32K bodies ... Water-nsquared), a uniform 3-D **grid** of cells ...

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... 1.1 **Distributed Shared Memory** : : : : 2 ... 3.2 **Speedups for Barnes Hut** : : : : 46 ...

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... density, pres- sure and temperature at **grid** elements in ... communication cost in the load **estimate** may improve ... The code shows an **approximate** linear scaling versus ...

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D Lencski, J Laudon, T Joe, D Nakahira, L Stevens, ... - [Computer Architecture](#), 1992. Proceedings., The 19th Annual ..., 1992 - [ieeexplore.ieee.org](#)

... of the fea- sibility of the design, allows one to accurately **estimate** both the ... is granted provided that the copies are not made or **distributed** for direct ...

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RD Skeel, I Tezcan, DJ Hardy - [Journal of Computational Chemistry](#), 2002 - [dx.doi.org](#)

... of an interaction, the result is an (N log N) **Barnes-Hut** type of ... we approx- imate a softened 1/r on a **grid** with spacing h, we **approximate** a further ...

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... within a localized region to **estimate** impact on ... additions, inner-products and hierarchical **approximate** matrix-vector ... the dimension along which the **grid** is par ...

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